

# Sandro M Hirabara

## List of Publications by Year in descending order

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Version: 2024-02-01

135  
papers

5,741  
citations

101384

36  
h-index

88477

70  
g-index

146  
all docs

146  
docs citations

146  
times ranked

8905  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Updating futsal physiology, immune system, and performance. <i>Research in Sports Medicine</i> , 2022, 30, 659-676.  | 0.7 | 6         |
| 2  | Association between the number of steps performed during work and metabolic syndrome indicators in São Paulo city military police officers: The health promotion of Military Police (HPMP) study. <i>Research, Society and Development</i> , 2022, 11, e13511225376. | 0.0 | 1         |
| 3  | Recreational Dance Practice Modulates Lymphocyte Profile and Function in Diabetic Women. <i>International Journal of Sports Medicine</i> , 2021, 42, 749-759.  | 0.8 | 6         |
| 4  | L-arginine Improves Plasma Lipid Profile and Muscle Inflammatory Response in Trained Rats After High-Intense Exercise. <i>Research Quarterly for Exercise and Sport</i> , 2021, 92, 82-90.   | 0.8 | 0         |
| 5  | Relationship between children physical activity, inflammatory mediators and lymphocyte activation: possible impact of social isolation (COVID-19). <i>Sport Sciences for Health</i> , 2021, 17, 431-439.   | 0.4 | 11        |
| 6  | Host cell glutamine metabolism as a potential antiviral target. <i>Clinical Science</i> , 2021, 135, 305-325.  | 1.8 | 31        |
| 7  | COVID-19 Pandemic in Brazil: History, Characteristics, and Evolution. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1327, 35-47.  | 0.8 | 1         |
| 8  | Profiling plasma extracellular vesicle proteins and microRNAs in diabetes onset in middle-aged male participants in the ELSA-Brazil study. <i>Physiological Reports</i> , 2021, 9, e14731.   | 0.7 | 9         |
| 9  | Insulin-stimulated endoproteolytic TUG cleavage links energy expenditure with glucose uptake. <i>Nature Metabolism</i> , 2021, 3, 378-393.   | 5.1 | 13        |
| 10 | 4-Aminoquinoline compounds from the Spanish flu to COVID-19. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111138.   | 2.5 | 10        |
| 11 | 501-P: Lower Plasma Membrane Sn-1,2-Diacylglycerol Content and PKCepsilon/theta Activity Explain the Athlete's Paradox. <i>Diabetes</i> , 2021, 70, .  | 0.3 | 0         |
| 12 | Physical exercise increases global and gene-specific (interleukin-17 and interferon-β) DNA methylation in lymphocytes from aged women. <i>Experimental Physiology</i> , 2021, 106, 1878-1885.  | 0.9 | 8         |
| 13 | A simple mathematical model for the evaluation of the long first wave of the COVID-19 pandemic in Brazil. <i>Scientific Reports</i> , 2021, 11, 16400.   | 1.6 | 6         |
| 14 | Impaired brown adipose tissue is differentially modulated in insulin-resistant obese wistar and type 2 diabetic Goto-Kakizaki rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112019.  | 2.5 | 7         |
| 15 | Prevalence of Metabolic Syndrome in Military Police Officers of São Paulo City: The Health Promotion in Military Police (HPMP) Study. <i>Research, Society and Development</i> , 2021, 10, e61101421142.   | 0.0 | 1         |
| 16 | SARS-COV-2 Variants: Differences and Potential of Immune Evasion. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 781429.  | 1.8 | 154       |
| 17 | A Membrane-Bound Diacylglycerol Species Induces PKCμ-Mediated Hepatic Insulin Resistance. <i>Cell Metabolism</i> , 2020, 32, 654-664.e5.   | 7.2 | 83        |
| 18 | Glutamine supplementation versus functional overload in extensor digitorum longus muscle hypertrophy. <i>PharmaNutrition</i> , 2020, 14, 100236.   | 0.8 | 3         |

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|----|---|-----|-----------|
| 19 | Tributylin Attenuates Metabolic and Inflammatory Changes Associated with Obesity through a GPR109A-Dependent Mechanism. <i>Cells</i> , 2020, 9, 2007.   | 1.8 | 25        |
| 20 | The paradoxical lean phenotype of hypothyroid mice is marked by increased adaptive thermogenesis in the skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22544-22551. | 3.3 | 21        |
| 21 | Mechanisms by which adiponectin reverses high fat diet-induced insulin resistance in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32584-32593.                               | 3.3 | 82        |
| 22 | COVID-19 in Brazil: Historical cases, disease milestones, and estimated outbreak peak. <i>Travel Medicine and Infectious Disease</i> , 2020, 38, 101733.  | 1.5 | 20        |
| 23 | Epidemiology of COVID-19 in Brazil: using a mathematical model to estimate the outbreak peak and temporal evolution. <i>Emerging Microbes and Infections</i> , 2020, 9, 1453-1456.  | 3.0 | 20        |
| 24 | 205-OR: Hepatic Protein Kinase C- $\epsilon$ Is Necessary and Sufficient in Mediating Lipid-Induced Hepatic Insulin Resistance. <i>Diabetes</i> , 2020, 69, 205-OR.   | 0.3 | 4         |
| 25 | Microbiota determines insulin sensitivity in TLR2-KO mice. <i>Life Sciences</i> , 2019, 234, 116793.  | 2.0 | 16        |
| 26 | Moderate physical exercise improves lymphocyte function in melanoma-bearing mice on a high-fat diet. <i>Nutrition and Metabolism</i> , 2019, 16, 63.  | 1.3 | 13        |
| 27 | Oral L-glutamine pretreatment attenuates skeletal muscle atrophy induced by 24-h fasting in mice. <i>Journal of Nutritional Biochemistry</i> , 2019, 70, 202-214.   | 1.9 | 26        |
| 28 | Perivascular Adipose Tissue Feature in Obesogenic Diets. , 2019, , 289-298.   |     | 1         |
| 29 | New insights on the regulation of cancer cachexia by N-3 polyunsaturated fatty acids. , 2019, 196, 117-134.   |     | 55        |
| 30 | Myotube Protein Content Associates with Intracellular L-Glutamine Levels. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 200-214.  | 1.1 | 8         |
| 31 | Short-term treatment with metformin reduces hepatic lipid accumulation but induces liver inflammation in obese mice. <i>Inflammopharmacology</i> , 2018, 26, 1103-1115.   | 1.9 | 15        |
| 32 | Experimental Model of Skeletal Muscle Laceration in Rats. <i>Methods in Molecular Biology</i> , 2018, 1735, 397-401.  | 0.4 | 3         |
| 33 | Does a congested fixture schedule affect psychophysiological parameters in elite volleyball players?. <i>Science and Sports</i> , 2018, 33, 258-264.  | 0.2 | 5         |
| 34 | Influence of trans fatty acids on glucose metabolism in soleus muscle of rats fed diets enriched in or deprived of linoleic acid. <i>European Journal of Nutrition</i> , 2018, 57, 1343-1355.   | 1.8 | 0         |
| 35 | Fenofibrate reverses changes induced by high-fat diet on metabolism in mice muscle and visceral adipocytes. <i>Journal of Cellular Physiology</i> , 2018, 233, 3515-3528.   | 2.0 | 22        |
| 36 | Attenuation of obesity and insulin resistance by fish oil supplementation is associated with improved skeletal muscle mitochondrial function in mice fed a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2018, 55, 76-88.   | 1.9 | 61        |

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|----|--|-----|-----------|
| 37 | Brain Fatty Acid Composition and Inflammation in Mice Fed with High-Carbohydrate Diet or High-Fat Diet. <i>Nutrients</i> , 2018, 10, 1277.   | 1.7 | 21        |
| 38 | <sc>L</sc>-Arginine supplementation improves rats' antioxidant system and exercise performance. <i>Free Radical Research</i> , 2017, 51, 281-293.  | 1.5 | 14        |
| 39 | Combination of a high-fat diet with sweetened condensed milk exacerbates inflammation and insulin resistance induced by each separately in mice. <i>Scientific Reports</i> , 2017, 7, 3937.                            | 1.6 | 30        |
| 40 | Role of microRNAs on the Regulation of Mitochondrial Biogenesis and Insulin Signaling in Skeletal Muscle. <i>Journal of Cellular Physiology</i> , 2017, 232, 958-966.  | 2.0 | 23        |
| 41 | Satellite cell activation induced by aerobic muscle adaptation in response to endurance exercise in humans and rodents. <i>Life Sciences</i> , 2017, 170, 33-40.   | 2.0 | 43        |
| 42 | Zinc Supplementation Improves Glucose Homeostasis in High Fat-Fed Mice by Enhancing Pancreatic $\beta$ -Cell Function. <i>Nutrients</i> , 2017, 9, 1150.   | 1.7 | 34        |
| 43 | Regulation of muscle plasticity and trophism by fatty acids: A short review. <i>Revista Da Associaço Mdica Brasileira</i> , 2017, 63, 148-155.   | 0.3 | 7         |
| 44 | Comparison of Goto-Kakizaki rats and high fat diet-induced obese rats: Are they reliable models to study Type 2 Diabetes mellitus?. <i>PLoS ONE</i> , 2017, 12, e0189622.  | 1.1 | 51        |
| 45 | Effects of endurance training on reduction of plasma glucose during high intensity constant and incremental speed tests in Wistar rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2016, 49, e5226. | 0.7 | 5         |
| 46 | Deletion of tumor necrosis factor- $\alpha$ receptor 1 (TNFR1) protects against diet-induced obesity by means of increased thermogenesis.. <i>Journal of Biological Chemistry</i> , 2016, 291, 26934.                  | 1.6 | 6         |
| 47 | Inflammatory state of periaortic adipose tissue in mice under obesogenic dietary regimens. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2016, 6, 1-7.   | 1.7 | 4         |
| 48 | Contractile function recovery in severely injured gastrocnemius muscle of rats treated with either oleic or linoleic acid. <i>Experimental Physiology</i> , 2016, 101, 1392-1405.                                      | 0.9 | 11        |
| 49 | Regulation of Gene Expression by Exercise-Related Micrnas. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 2381-2397.  | 1.1 | 31        |
| 50 | Effects of high EPA and high DHA fish oils on changes in signaling associated with protein metabolism induced by hindlimb suspension in rats. <i>Physiological Reports</i> , 2016, 4, e12958.                          | 0.7 | 24        |
| 51 | Differential effects of palmitoleic acid on human lymphocyte proliferation and function. <i>Lipids in Health and Disease</i> , 2016, 15, 217.  | 1.2 | 30        |
| 52 | Regulatory principles in metabolism "then and now. <i>Biochemical Journal</i> , 2016, 473, 1845-1857.  | 1.7 | 66        |
| 53 | Omega-3 fatty acids differentially modulate enzymatic anti-oxidant systems in skeletal muscle cells. <i>Cell Stress and Chaperones</i> , 2016, 21, 87-95.  | 1.2 | 23        |
| 54 | Pathophysiology of Metabolic Syndrome: Part I "Influence of Adiposity and Insulin Resistance. , 2015, , 17-32.   |     | 0         |

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|----|---|-----|-----------|
| 55 | Deletion of Kinin B2 Receptor Alters Muscle Metabolism and Exercise Performance. PLoS ONE, 2015, 10, e0134844.  | 1.1 | 18        |
| 56 | Celecoxib and Ibuprofen Restore the ATP Content and the Gluconeogenesis Activity in the Liver of Walker-256 Tumor-Bearing Rats. Cellular Physiology and Biochemistry, 2015, 36, 1659-1669.  | 1.1 | 16        |
| 57 | Medium-chain dicarboxylic acylcarnitines as markers of $\omega$ -3 PUFA-induced peroxisomal oxidation of fatty acids. Molecular Nutrition and Food Research, 2015, 59, 1573-1583.   | 1.5 | 14        |
| 58 | Effect of Regular Circus Physical Exercises on Lymphocytes in Overweight Children. PLoS ONE, 2015, 10, e0120262.  | 1.1 | 12        |
| 59 | Palmitoleic Acid (N-7) Attenuates the Immunometabolic Disturbances Caused by a High-Fat Diet Independently of PPAR $\alpha$ . Mediators of Inflammation, 2014, 2014, 1-12.  | 1.4 | 58        |
| 60 | Macadamia Oil Supplementation Attenuates Inflammation and Adipocyte Hypertrophy in Obese Mice. Mediators of Inflammation, 2014, 2014, 1-9.  | 1.4 | 24        |
| 61 | Palmitoleic acid (n-7) increases white adipocytes GLUT4 content and glucose uptake in association with AMPK activation. Lipids in Health and Disease, 2014, 13, 199.  | 1.2 | 55        |
| 62 | DNA Methylation Changes Induced by a High-Fat Diet and Fish Oil Supplementation in the Skeletal Muscle of Mice. Journal of Nutrigenetics and Nutrigenomics, 2014, 7, 314-326.   | 1.8 | 21        |
| 63 | Conjugated linoleic acid improves glucose utilization in the soleus muscle of rats fed linoleic acid-enriched and linoleic acid-deprived diets. Nutrition Research, 2014, 34, 1092-1100.  | 1.3 | 8         |
| 64 | PPAR $\beta$ activation attenuates glucose intolerance induced by mTOR inhibition with rapamycin in rats. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1046-E1054.  | 1.8 | 40        |
| 65 | Palmitoleate attenuates diet induced insulin resistance and hepatic inflammation independently of PPAR $\alpha$ . Cancer & Metabolism, 2014, 2, .   | 2.4 | 0         |
| 66 | Exercise Intensity And Metabolism In Brazilian Jiu-jitsu Matches. Medicine and Science in Sports and Exercise, 2014, 46, 81.  | 0.2 | 2         |
| 67 | Fish oil supplementation for two generations increases insulin sensitivity in rats. Journal of Nutritional Biochemistry, 2013, 24, 1136-1145.   | 1.9 | 39        |
| 68 | Comparative Proteomic Analysis of the Aging Soleus and Extensor Digitorum Longus Rat Muscles Using TMT Labeling and Mass Spectrometry. Journal of Proteome Research, 2013, 12, 4532-4546.   | 1.8 | 24        |
| 69 | Adaptations of the aging animal to exercise: role of daily supplementation with melatonin. Journal of Pineal Research, 2013, 55, 229-239.   | 3.4 | 39        |
| 70 | Targeted Disruption of Inducible Nitric Oxide Synthase Protects Against Aging, S-Nitrosation, and Insulin Resistance in Muscle of Male Mice. Diabetes, 2013, 62, 466-470.   | 0.3 | 59        |
| 71 | Enhanced peroxisomal $\beta$ -oxidation is associated with prevention of obesity and glucose intolerance by fish oil-enriched diets. Obesity, 2013, 21, 1200-1207.  | 1.5 | 30        |
| 72 | Changes in food intake, metabolic parameters and insulin resistance are induced by an isoenergetic, medium-chain fatty acid diet and are associated with modifications in insulin signalling in isolated rat pancreatic islets. British Journal of Nutrition, 2013, 109, 2154-2165. | 1.2 | 15        |

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|----|--|-----|-----------|
| 73 | Muscle Lesions and Inflammation in Futsal Players According to Their Tactical Positions. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 2612-2618.   | 1.0 | 23        |
| 74 | Efeitos da perda rápida de peso em atletas de combate. <i>Revista Brasileira De Ciencias Do Esporte</i> , 2013, 35, 245-260.   | 0.4 | 3         |
| 75 | Improvement in skeletal muscle oxidative capacity by fish oil supplementation is associated with decreased insulin resistance induced by high-fat diet in C57BL/6 mice. <i>FASEB Journal</i> , 2013, 27, 1b707.  | 0.2 | 0         |
| 76 | Effect of glutamine supplementation and resistive training in signaling pathways of protein synthesis and degradation in rat skeletal muscle. <i>FASEB Journal</i> , 2013, 27, 1b719.  | 0.2 | 0         |
| 77 | Skeletal muscle protein degradation induced by high-fat diet is decreased by macadamia oil supplementation: Role of E3 ubiquitin enzyme ligase MuRF1 and atrogin1. <i>FASEB Journal</i> , 2013, 27, 1b706.   | 0.2 | 0         |
| 78 | Maternal Moderate Physical Training during Pregnancy Attenuates the Effects of a Low-Protein Diet on the Impaired Secretion of Insulin in Rats: Potential Role for Compensation of Insulin Resistance and Preventing Gestational Diabetes Mellitus. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-7. | 3.0 | 12        |
| 79 | Sunflower Oil Supplementation Has Proinflammatory Effects and Does Not Reverse Insulin Resistance in Obesity Induced by High-Fat Diet in C57BL/6 Mice. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-9.  | 3.0 | 23        |
| 80 | Molecular Mechanisms Involved in Inflammation and Insulin Resistance in Chronic Diseases and Possible Interventions. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-2.  | 3.0 | 7         |
| 81 | G-protein-coupled receptors as fat sensors. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 112-116.   | 1.3 | 56        |
| 82 | The $\beta$ -Adrenoceptor Agonist Formoterol Improves Structural and Functional Regenerative Capacity of Skeletal Muscles From Aged Rat at the Early Stages of Postinjury. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012, 67A, 443-455.                                    | 1.7 | 21        |
| 83 | The Effects of Palmitic Acid on Nitric Oxide Production by Rat Skeletal Muscle: Mechanism via Superoxide and iNOS Activation. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 1169-1180.   | 1.1 | 20        |
| 84 | Tributylin attenuates obesity-associated inflammation and insulin resistance in high-fat-fed mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E272-E282.  | 1.8 | 126       |
| 85 | Molecular Targets Related to Inflammation and Insulin Resistance and Potential Interventions. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-16.  | 3.0 | 86        |
| 86 | Double-Stranded RNA-Activated Protein Kinase Is a Key Modulator of Insulin Sensitivity in Physiological Conditions and in Obesity in Mice. <i>Endocrinology</i> , 2012, 153, 5261-5274.  | 1.4 | 63        |
| 87 | Quercetin decreases inflammatory response and increases insulin action in skeletal muscle of ob/ob mice and in L6 myotubes. <i>European Journal of Pharmacology</i> , 2012, 689, 285-293.  | 1.7 | 66        |
| 88 | Mechanisms underlying skeletal muscle insulin resistance induced by fatty acids: importance of the mitochondrial function. <i>Lipids in Health and Disease</i> , 2012, 11, 30.   | 1.2 | 213       |
| 89 | Activation of survival and apoptotic signaling pathways in lymphocytes exposed to palmitic acid. <i>Journal of Cellular Physiology</i> , 2012, 227, 339-350.   | 2.0 | 31        |
| 90 | Effects of moderate electrical stimulation on reactive species production by primary rat skeletal muscle cells: Cross talk between superoxide and nitric oxide production. <i>Journal of Cellular Physiology</i> , 2012, 227, 2511-2518.   | 2.0 | 12        |

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|-----|--|-----|-----------|
| 91  | Glutamine Supplementation Stimulates Protein-Synthetic and Inhibits Protein-Degradative Signaling Pathways in Skeletal Muscle of Diabetic Rats. <i>PLoS ONE</i> , 2012, 7, e50390.                           | 1.1 | 41        |
| 92  | La Inactividad Física en Etapas Tempranas del Desarrollo Disminuye la Expresión de Akt en el Músculo S3leo de Ratas. <i>International Journal of Morphology</i> , 2011, 29, 256-267.                         | 0.1 | 0         |
| 93  | Efecto del Prop3leos Chileno sobre el Metabolismo de Glucosa en Ratones Diab3ticos. <i>International Journal of Morphology</i> , 2011, 29, 754-761.  | 0.1 | 3         |
| 94  | Acute Effects of Drop Jump Potentiation Protocol on Sprint and Countermovement Vertical Jump Performance. <i>Human Movement</i> , 2011, 12, .  | 0.5 | 12        |
| 95  | Gut Microbiota Is a Key Modulator of Insulin Resistance in TLR 2 Knockout Mice. <i>PLoS Biology</i> , 2011, 9, e1001212.   | 2.6 | 237       |
| 96  | Saturated fatty acid-induced insulin resistance is associated with mitochondrial dysfunction in skeletal muscle cells. <i>Journal of Cellular Physiology</i> , 2010, 222, 187-194.                           | 2.0 | 172       |
| 97  | Hypothalamic Actions of Tumor Necrosis Factor 1± Provide the Thermogenic Core for the Wastage Syndrome in Cachexia. <i>Endocrinology</i> , 2010, 151, 683-694.   | 1.4 | 73        |
| 98  | Smad5 regulates Akt2 expression and insulin-induced glucose uptake in L6 myotubes. <i>Molecular and Cellular Endocrinology</i> , 2010, 319, 30-38.   | 1.6 | 14        |
| 99  | Deletion of Tumor Necrosis Factor-1± Receptor 1 (TNFR1) Protects against Diet-induced Obesity by Means of Increased Thermogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 36213-36222.          | 1.6 | 125       |
| 100 | Changes of glycogen content in liver, skeletal muscle, and heart from fasted rats. <i>Cell Biochemistry and Function</i> , 2009, 27, 488-495.  | 1.4 | 31        |
| 101 | Involvement of eukaryotic translation initiation factor 5A (eIF5A) in skeletal muscle stem cell differentiation. <i>Journal of Cellular Physiology</i> , 2009, 218, 480-489.                                 | 2.0 | 34        |
| 102 | Can physical exercise during gestation attenuate the effects of a maternal perinatal low-protein diet on oxygen consumption in rats?. <i>Experimental Physiology</i> , 2009, 94, 906-913.                    | 0.9 | 27        |
| 103 | Effect of Fish Oil Supplementation for Two Generations on Changes of Lymphocyte Function Induced by Walker 256 Cancer Cachexia in Rats. <i>Nutrition and Cancer</i> , 2009, 61, 670-679.                     | 0.9 | 21        |
| 104 | Induction of Lymphocyte Death by Short- and Long-Duration Triathlon Competitions. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1896-1901.  | 0.2 | 17        |
| 105 | Pode a atividade física materna modular a programa3o fetal induzida pela nutri3o?. <i>Revista De Nutricao</i> , 2009, 22, 559-569.   | 0.4 | 2         |
| 106 | Effects of exercise on leukocyte death: prevention by hydrolyzed whey protein enriched with glutamine dipeptide. <i>European Journal of Applied Physiology</i> , 2008, 103, 289-294.                         | 1.2 | 24        |
| 107 | Glucose metabolism by lymphocytes, macrophages, and tumor cells from Walker 256 tumor-bearing rats supplemented with fish oil for one generation. <i>Cell Biochemistry and Function</i> , 2008, 26, 874-880. | 1.4 | 6         |
| 108 | Palmitate increases superoxide production through mitochondrial electron transport chain and NADPH oxidase activity in skeletal muscle cells. <i>Journal of Cellular Physiology</i> , 2008, 216, 796-804.    | 2.0 | 149       |

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|-----|--|-----|-----------|
| 109 | Updating the effects of fatty acids on skeletal muscle. <i>Journal of Cellular Physiology</i> , 2008, 217, 1-12.   | 2.0 | 77        |
| 110 | Glimepiride as insulin sensitizer: increased liver and muscle responses to insulin. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 596-600.   | 2.2 | 41        |
| 111 | Effects of 15-deoxy- $\Delta^9$ , 14 prostaglandin J2 and ciglitazone on human cancer cell cycle progression and death: The role of PPAR $\gamma$ . <i>European Journal of Pharmacology</i> , 2008, 580, 80-86.  | 1.7 | 14        |
| 112 | Neutrophil Death Induced by a Triathlon Competition in Elite Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1447-1454.   | 0.2 | 19        |
| 113 | Regulaç o metab lica e produç o de esp cies reativas de oxig nio durante a contraç o muscular: efeito do glicog nio na manutenç o do estado redox intracelular. <i>Revista Brasileira De Medicina Do Esporte</i> , 2008, 14, 57-63.  | 0.1 | 5         |
| 114 | APROGRAM OF MODERATE PHYSICAL TRAINING FOR WISTAR RATS BASED ON MAXIMAL OXYGEN CONSUMPTION. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 751-756.  | 1.0 | 1         |
| 115 | Postpartum glycemic homeostasis in early lactating rats is accompanied by transient and specific increase of soleus insulin response through IRS2/AKT pathway. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2225-R2233. | 0.9 | 13        |
| 116 | Effect of Lipid Infusion on Metabolism and Force of Rat Skeletal Muscles During Intense Contractions. <i>Cellular Physiology and Biochemistry</i> , 2007, 20, 213-226.   | 1.1 | 20        |
| 117 | Loss-of-Function Mutation in Toll-Like Receptor 4 Prevents Diet-Induced Obesity and Insulin Resistance. <i>Diabetes</i> , 2007, 56, 1986-1998.   | 0.3 | 741       |
| 118 | Regulation of interleukin-2 signaling by fatty acids in human lymphocytes. <i>Journal of Lipid Research</i> , 2007, 48, 2009-2019.   | 2.0 | 28        |
| 119 | Glutamine supplementation prevents exercise-induced neutrophil apoptosis and reduces p38 MAPK and JNK phosphorylation and p53 and caspase 3 expression. <i>Cell Biochemistry and Function</i> , 2007, 25, 563-569.   | 1.4 | 39        |
| 120 | Effect of fish oil supplementation for 2 generations on changes in macrophage function induced by Walker 256 cancer cachexia in rats. <i>International Journal of Cancer</i> , 2007, 120, 344-350.   | 2.3 | 23        |
| 121 | Time-dependent effects of fatty acids on skeletal muscle metabolism. <i>Journal of Cellular Physiology</i> , 2007, 210, 7-15.  | 2.0 | 62        |
| 122 | Diabetes associated cell stress and dysfunction: role of mitochondrial and non-mitochondrial ROS production and activity. <i>Journal of Physiology</i> , 2007, 583, 9-24.  | 1.3 | 530       |
| 123 | Exercise training raises expression of the cytosolic components of NADPH oxidase in rat neutrophils. <i>European Journal of Applied Physiology</i> , 2007, 100, 153-160.   | 1.2 | 10        |
| 124 | A Program of Moderate Physical Training for Wistar Rats Based on Maximal Oxygen Consumption. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 751.   | 1.0 | 54        |
| 125 | EFFECT OF FATTY ACIDS ON METABOLISM IN SKELETAL MUSCLE CELLS: Randle cycle, insulin signalling and mitochondrial uncoupling. <i>FASEB Journal</i> , 2007, 21, A1423.   | 0.2 | 0         |
| 126 | Acute effect of fatty acids on metabolism and mitochondrial coupling in skeletal muscle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 57-66.   | 0.5 | 75        |



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|-----|--|-----|-----------|
| 127 | Role of fatty acids in the transition from anaerobic to aerobic metabolism in skeletal muscle during exercise. <i>Cell Biochemistry and Function</i> , 2006, 24, 475-481.  | 1.4 | 19        |
| 128 | Diabetes causes marked changes in function and metabolism of rat neutrophils. <i>Journal of Endocrinology</i> , 2006, 188, 295-303.  | 1.2 | 128       |
| 129 | The effects of peroxovanadate and peroxovanadyl on glucose metabolism in vivo and identification of signal transduction proteins involved in the mechanism of action in isolated soleus muscle. <i>Molecular and Cellular Biochemistry</i> , 2005, 273, 145-150. | 1.4 | 12        |
| 130 | S-Nitrosation of the Insulin Receptor, Insulin Receptor Substrate 1, and Protein Kinase B/Akt: A Novel Mechanism of Insulin Resistance. <i>Diabetes</i> , 2005, 54, 959-967.   | 0.3 | 248       |
| 131 | Palmitate acutely raises glycogen synthesis in rat soleus muscle by a mechanism that requires its metabolism (Randle cycle). <i>FEBS Letters</i> , 2003, 541, 109-114.   | 1.3 | 41        |
| 132 | Palmitate modulates the early steps of insulin signalling pathway in pancreatic islets. <i>FEBS Letters</i> , 2003, 544, 185-188.  | 1.3 | 23        |
| 133 | Naproxen, clenbuterol and insulin administration ameliorates cancer cachexia and reduce tumor growth in Walker 256 tumor-bearing rats. <i>Cancer Letters</i> , 2003, 201, 139-148.   | 3.2 | 32        |
| 134 | Reviewing physical exercise in non-obese diabetic Goto-Kakizaki rats. <i>Brazilian Journal of Medical and Biological Research</i> , 0, 55, .   | 0.7 | 2         |
| 135 | Poor prognosis indicators of type-2 diabetic COVID-19 patients. <i>Brazilian Journal of Medical and Biological Research</i> , 0, 55, .   | 0.7 | 4         |